

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P136067

Luminaire Tested: **LD6A20D010TE ERW6A20840 6LW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23358)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A20D010TE ERW6A20840 6LW1LI
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2614.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

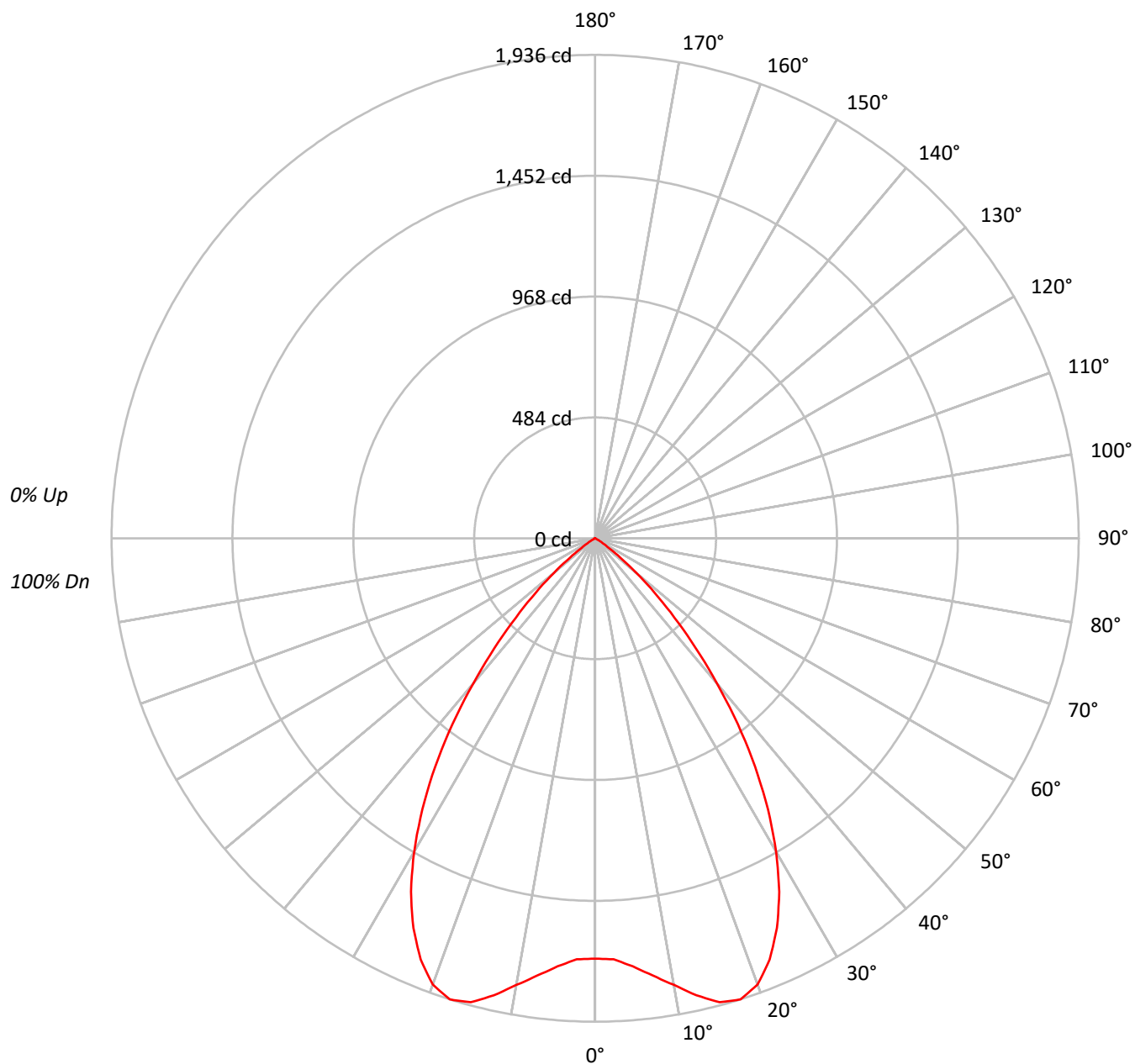
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	107	105	110	108	105	103		104	102	100			100	98	97			97
2	107	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	100	93	88	83	98	92	87	83		89	85	81			87	83	80			84
4	94	86	80	75	93	85	79	75		83	78	74			81	76	73			79
5	89	80	73	68	87	79	73	68		77	71	67			75	70	67			73
6	84	74	67	62	82	73	67	62		71	66	62			70	65	61			69
7	79	68	62	57	77	68	61	57		66	61	57			65	60	56			64
8	74	64	57	53	73	63	57	52		62	56	52			61	56	52			60
9	70	60	53	49	69	59	53	48		58	52	48			57	52	48			56
10	66	56	49	45	65	55	49	45		54	49	45			54	48	45			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109839
5°	112643
10°	120331
15°	129924
20°	132037
25°	123944
30°	109166
35°	88915
40°	64573
45°	41436
50°	21771
55°	7450
60°	2140
65°	556
70°	343
75°	454
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	6.4
10°-20°	539.6	20.6
20°-30°	782.9	30.0
30°-40°	689.7	26.4
40°-50°	353.1	13.5
50°-60°	74.4	2.8
60°-70°	5.8	0.2
70°-80°	1.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1489.9	57.0
0°-40°	2179.5	83.4
0°-60°	2607.0	99.7
0°-90°	2614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2614.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1684	
5°	1720	167
15°	1924	540
25°	1722	783
35°	1116	690
45°	449	353
55°	66	74
65°	4	6
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1683.6
2.5°	1687.3
5°	1720.0
7.5°	1765.5
10°	1816.4
12.5°	1874.6
15°	1923.6
17.5°	1936.4
20°	1901.8
22.5°	1825.5
25°	1721.8
27.5°	1596.4
30°	1449.1
32.5°	1287.3
35°	1116.4
37.5°	938.2
40°	758.2
42.5°	596.4
45°	449.1
47.5°	321.8
50°	214.5
52.5°	125.5
55°	65.5
57.5°	32.7
60°	16.4
62.5°	7.3
65°	3.6
67.5°	3.6
70°	1.8
72.5°	1.8
75°	1.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)